

Basi

1600

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RAW SEQUENCE LISTING
PATENT APPLICATION US/09/104,340DATE: 08/24/1999
TIME: 15:59:13

Input Set: I104340.RAW

This Raw Listing contains the General Information
Section and up to first 5 pages.

see P.5
ENTERED

1 <110> APPLICANT: BOYD, Andrew W
2 DOTTORI, Mirella
3 LACKMANN, Martin
4 <120> TITLE OF INVENTION: RECEPTOR-LIGAND SYSTEM AND ASSAY
5 <130> FILE REFERENCE: boyduq
6 <140> CURRENT APPLICATION NUMBER: US/09/104,340
7 <141> CURRENT FILING DATE: 1998-06-25
8 <150> EARLIER APPLICATION NUMBER: PO7549
9 <151> EARLIER FILING DATE: 1997-06-25
10 <160> NUMBER OF SEQ ID NOS: 25
11 <170> SOFTWARE: PatentIn Ver. 2.0
12 <210> SEQ ID NO 1
13 <211> LENGTH: 220
14 <212> TYPE: PRT
15 <213> ORGANISM: Homo sapiens
16 <220> FEATURE:
17 <221> NAME/KEY: DOMAIN
18 <222> LOCATION: (1)..(220)
19 <223> OTHER INFORMATION: Encoded by Exon III of HEK gene
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22 1 5 10 15
23 Tyr Gln Val Cys Asn Val Met Asp His Ser Gln Asn Asn Trp Leu Arg
24 20 25 30
25 Thr Asn Trp Val Pro Arg Asn Ser Ala Gln Lys Ile Tyr Val Glu Leu
26 35 40 45
27 Lys Phe Thr Leu Arg Asp Cys Asn Ser Ile Pro Leu Val Leu Gly Thr
28 50 55 60
29 Cys Lys Glu Thr Phe Asn Leu Tyr Tyr Met Glu Ser Asp Asp Asp His
30 65 70 75 80
31 Gly Val Lys Phe Arg Glu His Gln Phe Thr Lys Ile Asp Thr Ile Ala
32 85 90 95
33 Ala Asp Glu Ser Phe Thr Gln Met Asp Leu Gly Asp Arg Ile Leu Lys
34 100 105 110
35 Leu Asn Thr Glu Ile Arg Glu Val Gly Pro Val Asn Lys Lys Gly Phe
36 115 120 125
37 Tyr Leu Ala Phe Gln Asp Val Gly Ala Cys Val Ala Leu Val Ser Val
38 130 135 140
39 Arg Val Tyr Phe Lys Lys Cys Pro Phe Thr Val Lys Asn Leu Ala Met
40 145 150 155 160
41 Phe Pro Asp Thr Val Pro Met Asp Ser Gln Ser Leu Val Glu Val Arg
42 165 170 175
43 Gly Ser Cys Val Asn Asn Ser Lys Glu Glu Asp Pro Pro Arg Met Tyr
44 180 185 190

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47      Asn Ala Gly Tyr Glu Glu Arg Gly Phe Met Cys Gln
48              210                      215                      220
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51      <212> TYPE: PRT
52      <213> ORGANISM: Homo sapiens
53      <220> FEATURE:
54      <221> NAME/KEY: DOMAIN
55      <222> LOCATION: (1)..(22)
56      <223> OTHER INFORMATION: Encoded by Exon II of HEK gene
57      <400> SEQUENCE: 2
58      Val Asn Leu Leu Asp Ser Lys Thr Ile Gln Gly Glu Leu Gly Trp Ile
59              1                      5                      10                      15
60      Ser Tyr Pro Ser His Gly
61              20
62      <210> SEQ ID NO 3
63      <211> LENGTH: 29
64      <212> TYPE: PRT
65      <213> ORGANISM: Homo sapiens
66      <220> FEATURE:
67      <221> NAME/KEY: DOMAIN
68      <222> LOCATION: (1)..(29)
69      <223> OTHER INFORMATION: Encoded by Exon I of HEK gene
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71      Met Asp Cys Gln Leu Ser Ile Leu Leu Leu Leu Ser Cys Ser Val Leu
72              1                      5                      10                      15
73      Asp Ser Phe Gly Glu Leu Ile Pro Gln Pro Ser Asn Glu
74              20                      25
75      <210> SEQ ID NO 4
76      <211> LENGTH: 271
77      <212> TYPE: PRT
78      <213> ORGANISM: Homo sapiens
79      <400> SEQUENCE: 4
80      Met Asp Cys Gln Leu Ser Ile Leu Leu Leu Leu Ser Cys Ser Val Leu
81              1                      5                      10                      15
82      Asp Ser Phe Gly Glu Leu Ile Pro Gln Pro Ser Asn Glu Val Asn Leu
83              20                      25                      30
84      Leu Asp Ser Lys Thr Ile Gln Gly Glu Leu Gly Trp Ile Ser Tyr Pro
85              35                      40                      45
86      Ser His Gly Trp Glu Glu Ile Ser Gly Val Asp Glu His Tyr Thr Pro
87              50                      55                      60
88      Ile Arg Thr Tyr Gln Val Cys Asn Val Met Asp His Ser Gln Asn Asn
89              65                      70                      75                      80
90      Trp Leu Arg Thr Asn Trp Val Pro Arg Asn Ser Ala Gln Lys Ile Tyr
91              85                      90                      95
92      Val Glu Leu Lys Phe Thr Leu Arg Asp Cys Asn Ser Ile Pro Leu Val
93              100                      105                      110
94      Leu Gly Thr Cys Lys Glu Thr Phe Asn Leu Tyr Tyr Met Glu Ser Asp

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95          115          120          125
96    Asp Asp His Gly Val Lys Phe Arg Glu His Gln Phe Thr Lys Ile Asp
97          130          135          140
98    Thr Ile Ala Ala Asp Glu Ser Phe Thr Gln Met Asp Leu Gly Asp Arg
99    145          150          155          160
100   Ile Leu Lys Leu Asn Thr Glu Ile Arg Glu Val Gly Pro Val Asn Lys
101          165          170          175
102   Lys Gly Phe Tyr Leu Ala Phe Gln Asp Val Gly Ala Cys Val Ala Leu
103          180          185          190
104   Val Ser Val Arg Val Tyr Phe Lys Lys Cys Pro Phe Thr Val Lys Asn
105          195          200          205
106   Leu Ala Met Phe Pro Asp Thr Val Pro Met Asp Ser Gln Ser Leu Val
107          210          215          220
108   Glu Val Arg Gly Ser Cys Val Asn Asn Ser Lys Glu Glu Asp Pro Pro
109          225          230          235          240
110   Arg Met Tyr Cys Ser Thr Glu Gly Glu Trp Leu Val Pro Ile Gly Lys
111          245          250          255
112   Cys Ser Cys Asn Ala Gly Tyr Glu Glu Arg Gly Phe Met Cys Gln
113          260          265          270
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116 <212> TYPE: DNA
117 <213> ORGANISM: Homo sapiens
118 <220> FEATURE:
119 <221> NAME/KEY: exon
120 <222> LOCATION: (1)..(813)
121 <223> OTHER INFORMATION: Exons I, II and III of HEK gene
122 <400> SEQUENCE: 5
123   atg gat tgt cag ctc tcc atc ctc ctc ctt ctc agc tgc tct gtt ctc 48
124   gac agc ttc ggg gaa ctg att ccg cag cct tcc aat gaa gtc aat cta 96
125   ctg gat tca aaa aca att caa ggg gag ctg ggc tgg atc tct tat cca 144
126   tca cat ggg tgg gaa gag atc agt ggt gtg gat gaa cat tac aca ccc 192
127   atc agg act tac cag gtg tgc aat gtc atg gac cac agt caa aac aat 240
128   tgg ctg aga aca aac tgg gtc ccc agg aac tca gct cag aag att tat 288
129   gtg gag ctc aag ttc act cta cga gac tgc aat agc att cca ttg gtt 336
130   tta gga act tgc aag gag aca ttc aac ctg tac tac atg gag tct gat 384
131   gat gat cat ggg gtg aaa ttt cga gag cat cag ttt aca aag att gac 432
132   acc att gca gct gat gaa agt ttc act caa atg gat ctt ggg gac cgt 480
133   att ctg aag ctc aac act gag att aga gaa gta ggt cct gtc aac aag 528
134   aag gga ttt tat ttg gca ttt caa gat gtt ggt gct tgt gtt gcc ttg 576
135   gtg tct gtg aga gta tac ttc aaa aag tgc cca ttt aca gtg aag aat 624
136   ctg gct atg ttt cca gac acg gta ccc atg gac tcc cag tcc ctg gtg 672
137   gag gtt aga ggg tct tgt gtc aac aat tct aag gag gaa gat cct cca 720
138   agg atg tac tgc agt aca gaa ggc gaa tgg ctt gta ccc att ggc aag 768
139   tgt tcc tgc aat gct ggc tat gaa gaa aga ggt ttt atg tgc caa 813
140 <210> SEQ ID NO 6
141 <211> LENGTH: 87
142 <212> TYPE: DNA
143 <213> ORGANISM: Homo sapiens
144 <220> FEATURE:

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145 <221> NAME/KEY: exon
146 <222> LOCATION: (1)..(87)
147 <223> OTHER INFORMATION: Exon I of HEK gene
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149     atg gat tgt cag ctc tcc atc ctc ctc ctt ctc agc tgc tct gtt ctc    48
150     gac agc ttc ggg gaa ctg att ccg cag cct tcc aat gaa                87
151 <210> SEQ ID NO 7
152 <211> LENGTH: 66
153 <212> TYPE: DNA
154 <213> ORGANISM: Homo sapiens
155 <220> FEATURE:
156 <221> NAME/KEY: exon
157 <222> LOCATION: (1)..(66)
158 <223> OTHER INFORMATION: Exon II of HEK gene
159 <400> SEQUENCE: 7
160     gtc aat cta ctg gat tca aaa aca att caa ggg gag ctg ggc tgg atc    48
161     tct tat cca tca cat ggg                                           66
162 <210> SEQ ID NO 8
163 <211> LENGTH: 660
164 <212> TYPE: DNA
165 <213> ORGANISM: Homo sapiens
166 <220> FEATURE:
167 <221> NAME/KEY: exon
168 <222> LOCATION: (1)..(660)
169 <223> OTHER INFORMATION: Exon III of HEK gene
170 <400> SEQUENCE: 8
171     tgg gaa gag atc agt ggt gtg gat gaa cat tac aca ccc atc agg act    48
172     tac cag gtg tgc aat gtc atg gac cac agt caa aac aat tgg ctg aga    96
173     aca aac tgg gtc ccc agg aac tca gct cag aag att tat gtg gag ctc   144
174     aag ttc act cta cga gac tgc aat agc att cca ttg gtt tta gga act   192
175     tgc aag gag aca ttc aac ctg tac tac atg gag tct gat gat gat cat   240
176     ggg gtg aaa ttt cga gag cat cag ttt aca aag att gac acc att gca   288
177     gct gat gaa agt ttc act caa atg gat ctt ggg gac cgt att ctg aag   336
178     ctc aac act gag att aga gaa gta ggt cct gtc aac aag aag gga ttt   384
179     tat ttg gca ttt caa gat gtt ggt gct tgt gtt gcc ttg gtg tct gtg   432
180     aga gta tac ttc aaa aag tgc cca ttt aca gtg aag aat ctg gct atg   480
181     ttt cca gac acg gta ccc atg gac tcc cag tcc ctg gtg gag gtt aga   528
182     ggg tct tgt gtc aac aat tct aag gag gaa gat cct cca agg atg tac   576
183     tgc agt aca gaa ggc gaa tgg ctt gta ccc att ggc aag tgt tcc tgc   624
184     aat gct ggc tat gaa gaa aga ggt ttt atg tgc caa                   660
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186 <211> LENGTH: 27
187 <212> TYPE: DNA
188 <213> ORGANISM: Artificial Sequence
189 <220> FEATURE:
190 <223> OTHER INFORMATION: Description of Artificial Sequence: HEK PCR primer
191 <400> SEQUENCE: 9
192     gtaggaattc ctctcactgc cctctgc                                     27
193 <210> SEQ ID NO 10
194 <211> LENGTH: 25

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195 <212> TYPE: DNA
196 <213> ORGANISM: Artificial Sequence
197 <220> FEATURE:
198 <223> OTHER INFORMATION: Description of Artificial Sequence: HEK PCR primer
199 <400> SEQUENCE: 10
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201 <210> SEQ ID NO 11
202 <211> LENGTH: 27
203 <212> TYPE: DNA
204 <213> ORGANISM: Artificial Sequence
205 <220> FEATURE:
206 <223> OTHER INFORMATION: Description of Artificial Sequence: HEK PCR primer
207 <400> SEQUENCE: 11
208 gtaggaattc catggcttgt acccgac 27
209 <210> SEQ ID NO 12
210 <211> LENGTH: 27
211 <212> TYPE: DNA
212 <213> ORGANISM: Artificial Sequence
213 <220> FEATURE:
214 <223> OTHER INFORMATION: Description of Artificial Sequence: HEK PCR primer
215 <400> SEQUENCE: 12
216 gtagggatcc cataatgctt gcttctc 27
217 <210> SEQ ID NO 13
218 <211> LENGTH: 20
219 <212> TYPE: DNA
220 <213> ORGANISM: Artificial Sequence
221 <220> FEATURE:
222 <223> OTHER INFORMATION: Description of Artificial Sequence: HEK PCR primer
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225 <210> SEQ ID NO 14
226 <211> LENGTH: 20
227 <212> TYPE: DNA
228 <213> ORGANISM: Artificial Sequence
229 <220> FEATURE:
230 <223> OTHER INFORMATION: Description of Artificial Sequence: HEK PCR primer
231 <400> SEQUENCE: 14
232 tcattggaag gctgcggaat 20
233 <210> SEQ ID NO 15
234 <211> LENGTH: 30
235 <212> TYPE: DNA
236 <213> ORGANISM: Artificial Sequence
237 <220> FEATURE:
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240 gtagtctaga caagcttgct gaccagggtt 30
241 <210> SEQ ID NO 16
242 <211> LENGTH: 33
243 <212> TYPE: DNA
244 <213> ORGANISM: Artificial Sequence

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

✓ FYI

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VERIFICATION SUMMARY
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DATE: 08/24/1999
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Line ? Error/Warning

Original Text

266 W "N" or "Xaa" used: Feature required

ccratgggna ccagccaytc